

CLAIMS

What is claimed is:

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- 1 1. A method for controlling access to copy controlled content to a host
2 device comprising:
3 receiving copy controlled content;
4 receiving a revocation list ;
5 determining whether a host device associated with an access
6 module is on the revocation list;
7 if the host device is on the revocation list, causing the associated
8 access module to deny the copy controlled content to the host device.
- 1 2. The method of claim 1, wherein the revocation list is received in band
2 along with the copy controlled content.
- 1 3. The method of claim 1, wherein the revocation list is received out of
2 band of the copy controlled content.

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1 4. The method of claim 1, wherein the revocation list is MPEG private
2 syntax information data structure.

1 5. The method of claim 1, further comprising receiving a plurality of
2 revocation lists, where each list corresponds to a given range of host
3 identifiers.

1 6. The method of claim 5, further comprising reading the revocation list
2 having a range of host identifiers that bounds the identifier of the host
3 associated with the access module.

1 7. The method of claim 1 further comprising allowing access to the copy
2 controlled content if the host is not on the revocation list.

1 8. The method of claim 1, wherein the revocation list contains revocation
2 information that is content specific.

1 9. The method of claim 1, wherein the copy controlled content is denied
2 to the host device by not descrambling the copy controlled content.

1 10. The method of claim 1, wherein the host is selected from the group
2 including of a set top box, television, video player, video recorder, hard disk
3 player, hard disk recorder, personal computer, memory stick recorder,

4 minidisk player, minidisk recorder, digital video disk (DVD) player, DVD
5 Recorder, compact disk (CD) player and CD recorder.

1 11. The method of claim 1, wherein the revocation list is transmitted to
2 devices could to a home network, the home network using a communication
3 medium from one of the group: 1394, Universal Serial Bus, Blue Tooth, and
4 Panel Link.

1 12. The method of claim 1, wherein the access module performs
2 conditional access by not descrambling the copy controlled content for the
3 host device on the revocation list.

1 13. The method of claim 1, wherein the access module denies the copy
2 controlled content by not outputting the copy controlled content to the host
3 device on the revocation list.

1 14. The method of claim 12, wherein the access module is selected from
2 the group consisting of an NRSS-A module, NRSS-B module, Point of
3 Deployment (POD) module, and ISO7816 smart card.

1 15. The method of claim 1, further comprising the access module
2 conditionally descrambling the copy controlled content and authenticating a
3 proper revocation list version number.

1 16. An apparatus for controlling access to copy controlled content to a
2 host device comprising:
3 means for receiving copy controlled content;
4 means for receiving a revocation list;
5 means for determining whether a host device associated with an
6 access module is on the revocation list;
7 means for causing the access module to deny nt the copy controlled
8 content to the host device if the host device is on the revocation list.

1 17. The apparatus of claim 16, wherein the revocation list is received by
2 the access unit in band along with the copy controlled content.

1 18. The apparatus of claim 16, wherein the revocation list is received by
2 the access unit out of band of the copy controlled content.

1 19. The apparatus of claim 16 further comprising means for descrambling
2 the copy controlled content if the host device is not on the revocation list.

1 20. The apparatus of claim 16, wherein the revocation list contains
2 revocation information that is content specific.

1 21. An apparatus for controlling access to copy controlled content to a
2 host device comprising:

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3 an access module configured to receive copy controlled content and
4 a revocation list;
5 a determiner configured to determine whether a host device
6 associated with the access module is on the revocation list;
7 a revoker configured to deny the copy controlled content to the host
8 device if the host device is on the revocation list.

1 22. The apparatus of claim 21, wherein the revocation list is received in
2 band with the copy controlled content.

1 23. The apparatus of claim 21, wherein the revocation list is received out
2 of band to the copy controlled content.

1 24. The apparatus of claim 21, wherein the revocation list is a MPEG
private syntax information structure.

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1 25. The apparatus of claim 21, the access device further configured to
2 receive a plurality of revocation lists, where each list corresponds to a given
3 range of host identifiers.

1 26. The apparatus of claim 25, wherein the determiner is further
2 configured to read the revocation list having a range of host identifiers that
3 bounds the identifier of the host associated with the access unit.

1 27. The apparatus of claim 21, wherein the access device is further
2 configured to allow access to the copy controlled content if the host is not on
3 the revocation list.

1 28. The apparatus of claim 21, wherein the revocation list contains
2 revocation information that is content specific.

1 29. The apparatus of claim 21, wherein the copy controlled content is
2 denied to the host device by not descrambling the copy controlled content.

1 30. The apparatus of claim 21, wherein the host is selected from the
2 group consisting of a set top box, television, video player, video recorder,
3 hard disk player, hard disk recorder, personal computer, memory stick
4 recorder, minidisk player, minidisk recorder, digital video disk (DVD) player,
5 DVD Recorder, compact disk (CD) player and CD recorder.

1 31. The apparatus of claim 21, wherein the access module is selected
2 from the group consisting of an NRSS-A module, NRSS-B module, Point of
3 Deployment (POD) module, and ISO7816 smart card.

1 32. The apparatus of claim 21, wherein the access module conditionally
2 descrambles the copy controlled content and authenticates a proper
3 revocation list version number.

1 33. A computer readable medium containing instructions, which when
2 executed by a processing system, which when executed by a processing
3 system perform a method for controlling access to copy controlled content to
4 a host device comprising receiving copy controlled content;

5 receiving a revocation list ;

6 determining whether a host device associated with an access
7 module is on the revocation list;

8 if the host device is on the revocation list, causing the associated
9 access module to deny the copy controlled content to the host device.

1 34. The computer readable medium of claim 33, wherein the revocation
2 list is received in band along with the copy controlled content.

1 35. The computer readable medium of claim 33, wherein the revocation
2 list is received out of band of the copy controlled content.

1 36. The computer readable medium of claim 33, said method further
2 comprising receiving a plurality of revocation lists, where each list
3 corresponds to a given range of host identifiers.

1 37. The computer readable medium of claim 33, wherein the copy
2 controlled content is denied to the host device by not descrambling the copy
3 controlled content.

- 1 38. The computer readable medium as set forth in claim 33, wherein the
2 copy controlled content is not output to the host device if the host device is
3 on the revocation list.

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